

MOBILE WORLD CONGRESS 2016**Sunpartner Technologies: The Future of Smartwatches is Here**

**New solar tech Wysips® Reflect extends smartwatch battery life  
similar to analog watches**

**France Pavilion - Hall 5 - stand 5B21**

Aix-en-Provence, France February 3, 2016. Sunpartner Technologies, expert in cutting-edge solar tech, returns to Mobile World Congress in Barcelona for its fourth consecutive year to unveil its latest advances in telephones, connected accessories and IoT devices. Sunpartner is known for its patented Wysips®: an invisible photovoltaic component embedded into any kind of surface that enables devices to generate their own energy.

**Sunpartner Unveils Wysips® Reflect: The Future of Smartwatches**

In the fast-growing market for smartwatches, aesthetics and longer battery life are crucial. Sunpartner's invisible solar solutions solve both those issues: **Wysips® modules are totally design neutral and extend smartwatch battery life by 30% to 50%.**

To respond to market demands, the company has extended its range of products enabling mobile devices, connected objects, and accessories to go anywhere by harnessing free inexhaustible energy from the sun.

After Wysips® Crystal for emissive screens and Wysips® Graphics for textured surfaces, **this year at MWC Sunpartner will unveil Wysips® Reflect: an ultra-thin, invisible photovoltaic component that can be embedded in all types of reflective screens** (LCDs in smart watches, electronic shelf tags, sensors, etc.). Wysips® Reflect also works with objects without a screen: analog watches (on the watch dial or the crystal), rear phone casings, wearable tech and more.

Like all Wysips® tech, Reflect modules adapt to the device's shape and size, and their degree of transparency varies depending on the client's needs.

**A new solar smartwatch will be unveiled at MWC 2016 and a partnership will be announced.**

**WYSIPS REFLECT:****DIMENSIONS**

- Adaptable to screens up to 6"
- 500 µm thick

**OPTICAL PERFORMANCE**

Up to 85% transparency

**ENERGY PERFORMANCE**

1mW/cm<sup>2</sup> to 3mW/cm<sup>2</sup> or more  
(depending on client design)  
Under 1 SUN  
(1 SUN = illumination of 1000 W/m<sup>2</sup>)

**ENERGY MANAGEMENT**

Directly connected to the battery  
DC/DC converter with MPPT

**INTEGRATION**

Seamless into all kinds of objects:  
analog or smart watches, electronic  
shelf tags, phone casings, and more.

## Sunpartner Brings the Freedom of Solar Power to Everyday Objects and Accessories

Sunpartner Technologies will also unveil its working demo solar bag and portable speakers, in addition to the company's solar phone covers and e-readers.

With Wysips® Graphics, connectivity has no limits! Wysips® Graphics makes it possible to hide and integrate solar cells into everyday objects. How? By combining a printed optical network with solar cells. Embedded solar power then charges a mobile device using an external battery and a built-in USB port. On the design side, a large range of colors, shapes (geometric, textured) and images are available.

The energy performance of Wysips® Graphics is now at 10mW / cm<sup>2</sup> under 1 SUN.

Wysips® Graphics prolongs the battery life of portable speakers by 30-70%, depending on the duration and level of sunshine. In a solar bag, embedded Wysips® technology provides a perpetual power reserve.



Wysips® SUNNYBAG and FENDA speakers demos (actual products may differ)

## Watch Videos Streamed over Light Waves!

At Sunpartner Technologies' stand at MWC 2016, come experience LiFi and watch streaming videos over light! LiFi (Light Fidelity) is a wireless technology that transmits data over visible light waves. Sunpartner Technologies' R&D has been working to increase the bandwidth speed of its LiFi receiver so users can watch streaming videos. Since Wysips® technology is a photovoltaic material, it can also act as a photodetector and receive data in the LiFi chain. Several manufacturers are interested in this new tech so they can enhance user experience.

## About Sunpartner Technologies

Sunpartner Technologies is an engineering company specializing in Solar NETs (New Energy Technologies). They develop invisible, transparent solar energy solutions that are completely design neutral and seamlessly integrate into target products. In particular, the company invented Wysips® (What You See Is Photovoltaic Surface), which has 5 mature technologies: Wysips® Crystal for screens, Wysips® Glass integrated into glazing, Wysips® Cameleon for signs and billboards, Wysips® Reflect for reflective screens, and Wysips® Graphics for connected devices. Sunpartner Technologies regularly receives awards both for its innovation and from the business community, such as the Nobel Sustainability® Clean Tech Company award in 2013 and Technology Pioneer 2014 from the World Economic Forum. The company was also named one of the [Top 100 Global Cleantech](#) companies in 2014. Based in Aix-en-Provence (France), the company has a team of 53 employees. [www.sunpartnertechnologies.com](http://www.sunpartnertechnologies.com)

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